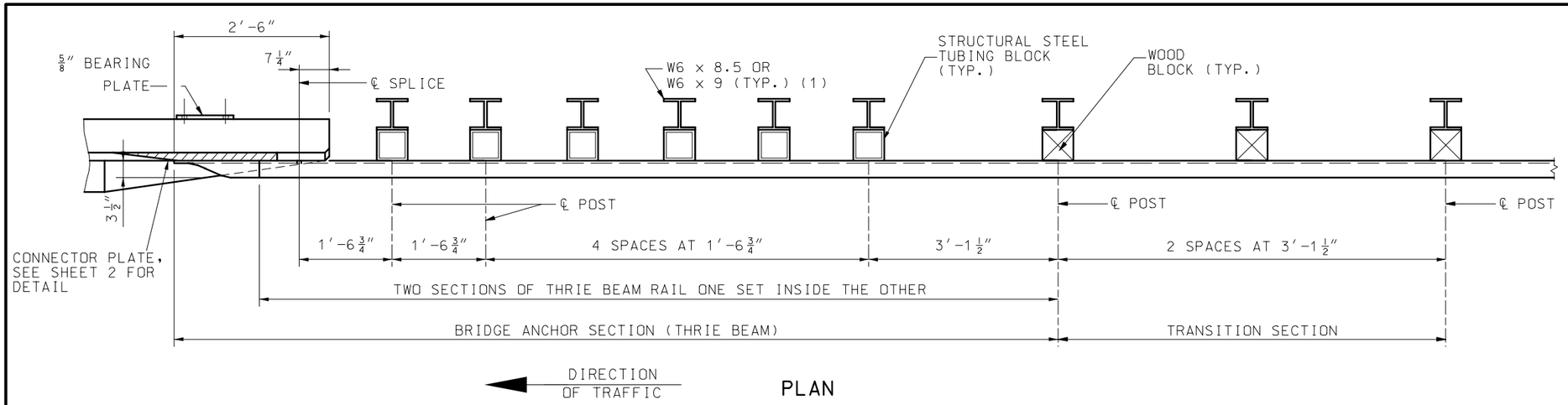
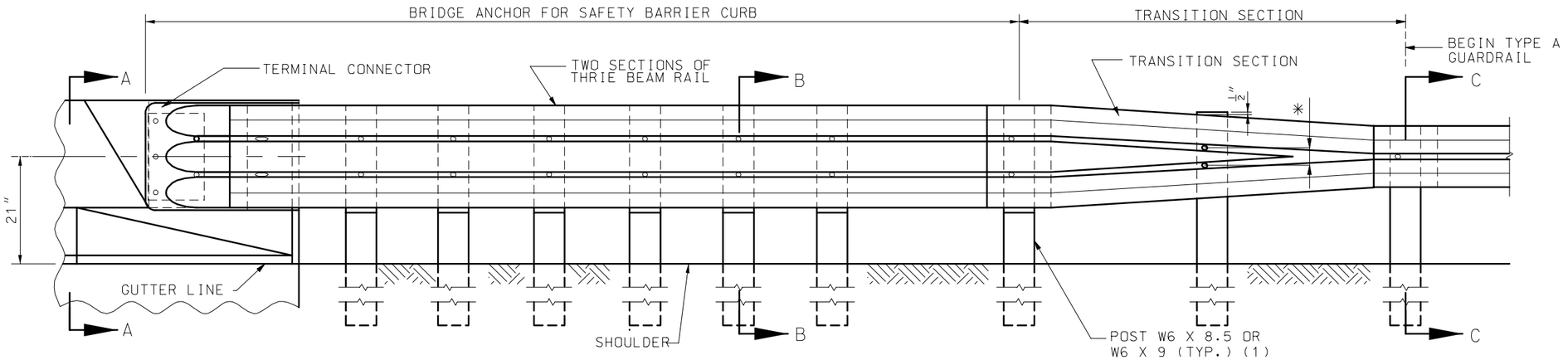


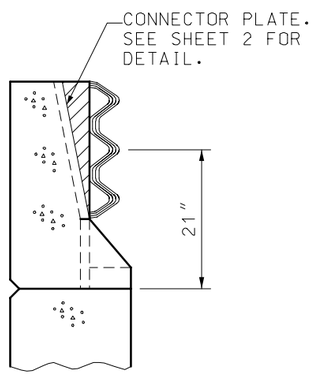
DIRECTION OF TRAFFIC

PLAN

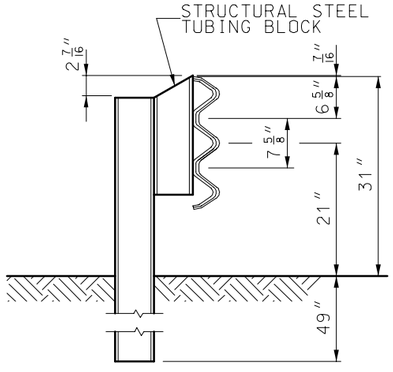


PART SECTION THRU SLAB AT END OF WING

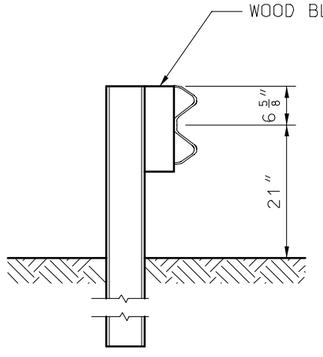
* VERIFY BY RAIL TRANSITION PRODUCER.



SECTION A–A



SECTION B–B



SECTION C–C

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

BRIDGE ANCHOR SECTION

SAFETY BARRIER CURB ON BRIDGE

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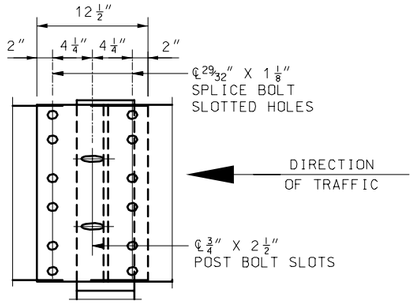
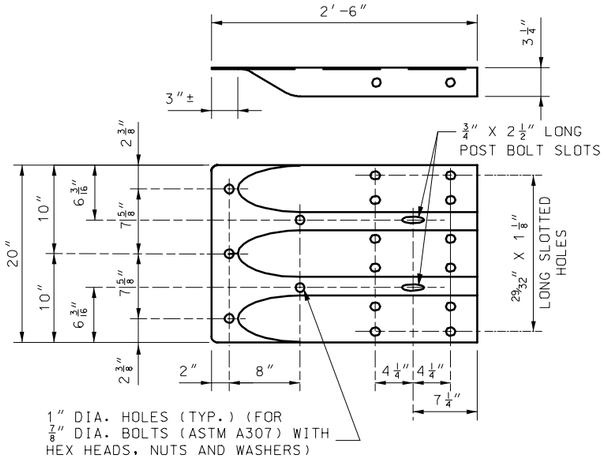
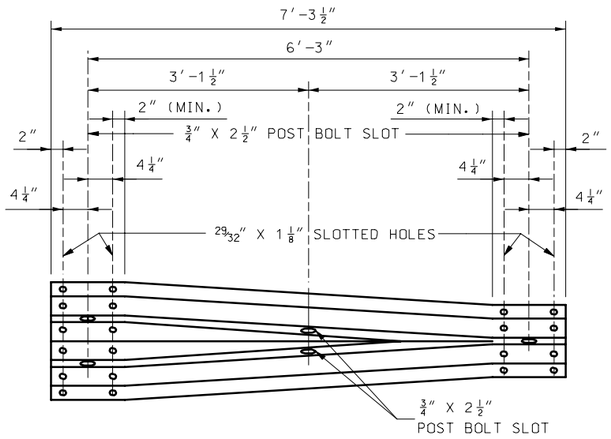


THRIE BEAM RAIL SPLICE AT POST

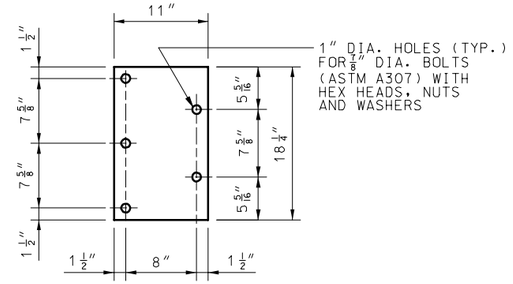
(1) THE CONTRACTOR MAY, AT HIS OPTION, FURNISH EQUIVALENT SECTIONS FABRICATED FROM MATERIAL MEETING AND IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A769 GRADE 36 OR 40. THE SECTIONS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH REQUIREMENTS OF AASHTO M 111.



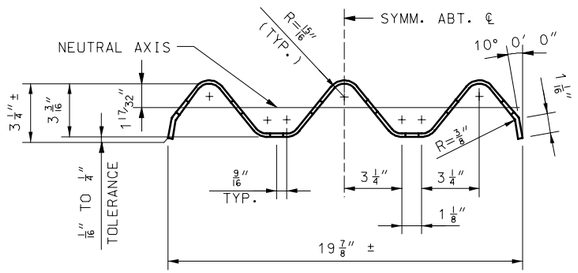
TERMINAL CONNECTOR



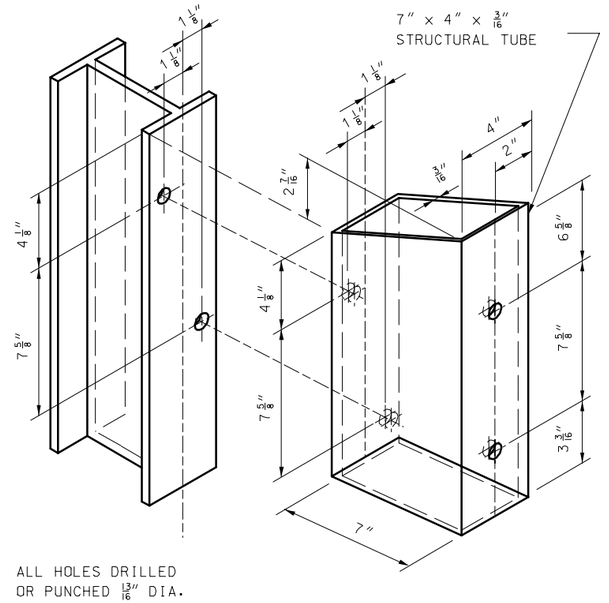
TRANSITION SECTION



5/8" BEARING PLATE



SECTION THRU THRIE BEAM RAIL



STRUCTURAL STEEL TUBING BLOCK DETAIL

GENERAL NOTES:

DESIGN BASED ON NCHRP REPORT 350 TEST LEVEL 3.

THE THRIE BEAM RAIL, TERMINAL CONNECTOR AND THE TRANSITION SECTION FOR THE BRIDGE ANCHOR SECTION SHALL BE MADE OF STEEL AND SHLL BE 12 GAGE.

FOR PROTECTIVE COATING AND MATERIAL REQUIREMENTS, SEE SECTION 1040 OF THE STANDARD SPECIFICATIONS.

RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

WASHERS SHALL BE USED AT ALL POST BOLTS (BETWEEN BOLT HEAD AND BEAM). THEY SHALL BE RECTANGULAR IN SHAPE (3" X 1 3/4" X 3/16" MIN.) AND FLAT, OR WHEN NECESSARY OF SUCH DESIGN AS TO FIT THE COUNTER OF THE BEAM, WASHERS SHALL HAVE A 11/16" X 1" SLOTTED HOLE.

STRUCTURAL TUBING BLOCK SHALL BE FABRICATED FROM ASTM A500 BRADE B STEEL AND GALVANIZED.

USE 5/8" BUTTON-HEAD OVAL SHOULDER BOLTS WITH HEX NUTS AT ALL SLOTS (THICKNESS OF HEX NUTS = 3/8" MIN.).

THE BEARING PLATE SHALL BE FABRICATED FROM GRADE A36 STEEL AND GALVANIZED.

ALL LAP SPLICES, INCLUDING END SHOES, SHALL BE MADE IN THE DIRECTION OF TRAFFIC.

SEE STANDARD PLAN 606.00 FOR DETAILS NOT SHOWN.

THE COST OF FURNISHING, FABRICATING AND INSTALLING TRANSITION SECTION, COPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.

THE COST OF FURNISHING FABRICATING AND INSTALLING BRIDGE ANCHOR SECTION (SAFETY BARRIER CURB), COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.

LOCK SHALL BE OF THE SAME TYPE THROUGHOUT THE PROJECT LIMITS.

FOR DETAILS OF BLOCKS ON STEEL POSTS, SEE STANDARD PLAN 606.00.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

BRIDGE ANCHOR SECTION

SAFETY BARRIER CURB ON BRIDGE

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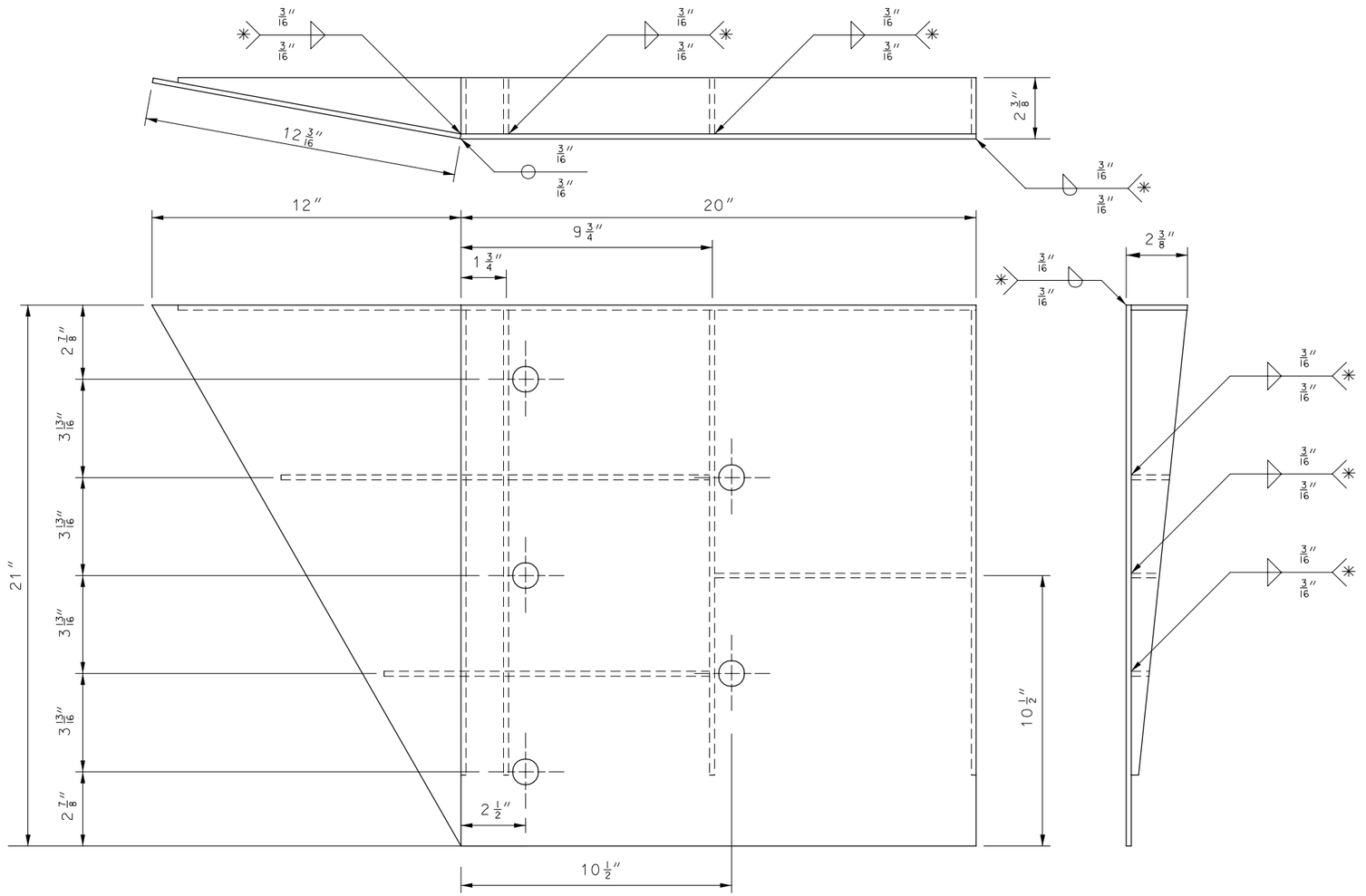

WELDING INSTRUCTION

✳ ALL FILLET WELDS SHALL BE 1" LONG SPACED AT 2".

GENERAL NOTES:

COVER PLATE PANELS ARE 4. 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 1040 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

BRIDGE ANCHOR SECTION

SAFETY BARRIER CURB ON BRIDGE (CONNECTOR PLATE DETAIL)

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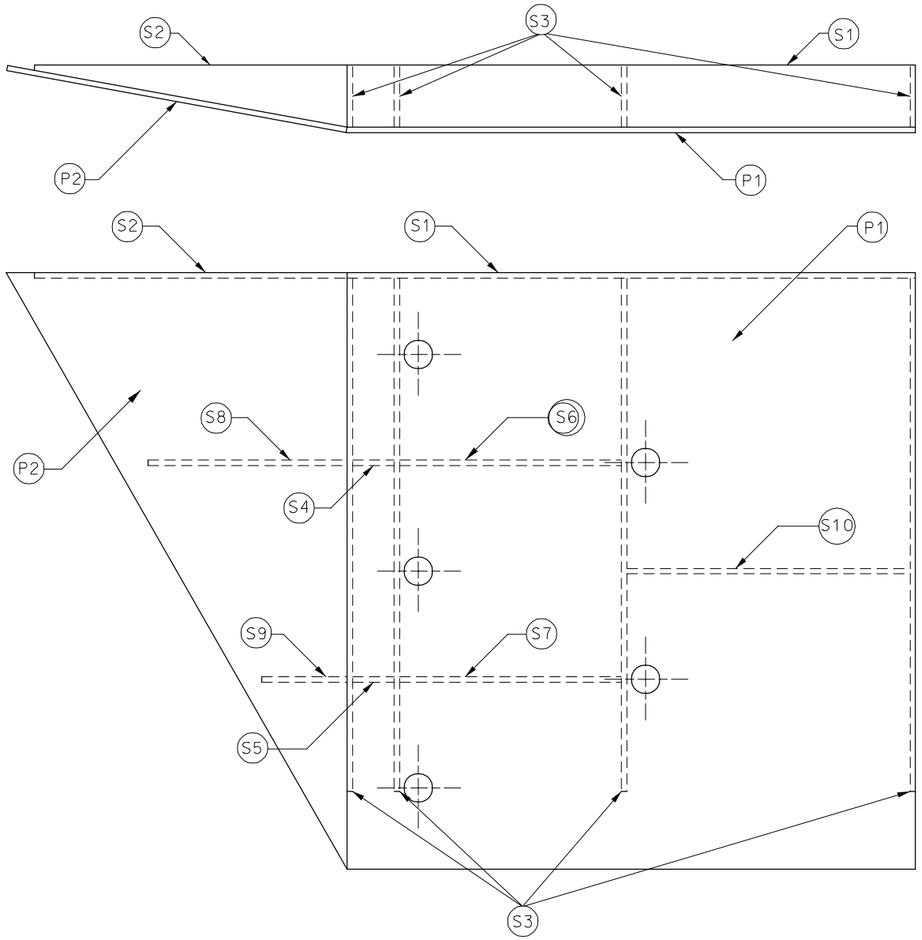
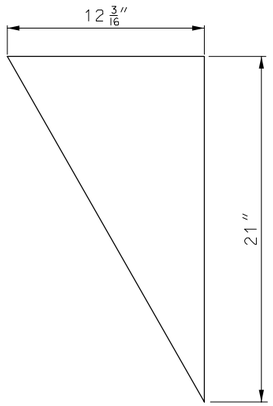
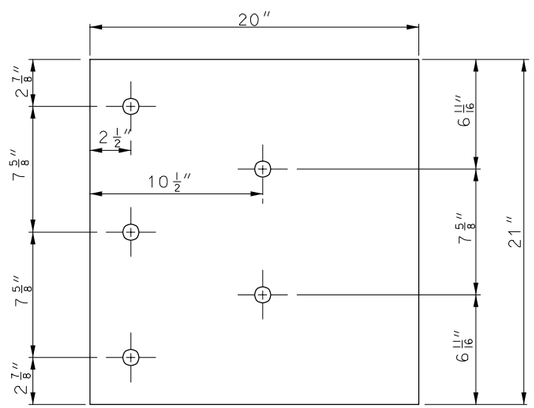


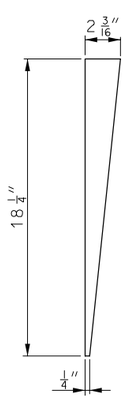
PLATE AND STIFFENER IDENTIFICATION



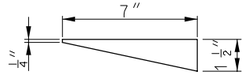
(P2) COVER PLATE #2



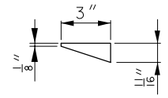
(P1) COVER PLATE #1



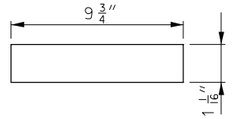
(S3) STIFFENER #3: 4 EACH



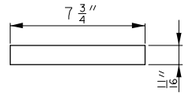
(S8) STIFFENER #8: 1 EACH



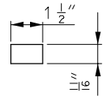
(S9) STIFFENER #9: 1 EACH



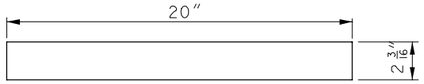
(S10) STIFFENER #10: 1 EACH



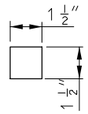
(S7) STIFFENER #7: 1 EACH



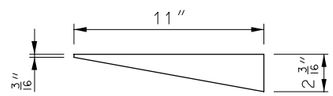
(S5) STIFFENER #5: 1 EACH



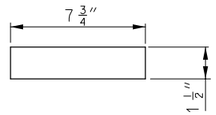
(S1) STIFFENER #1: 1 EACH



(S4) STIFFENER #4: 1 EACH



(S2) STIFFENER #2: 1 EACH



(S6) STIFFENER #6: 1 EACH

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

BRIDGE ANCHOR SECTION

SAFETY BARRIER CURB ON BRIDGE (CONNECTOR PLATE DETAIL)

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